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The Thermodynamics of Partially Liquid Hail Stones, by Roland List, 33 pp.

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Amer Meteorol Soc T-G-164
AF Cambridge Res Center

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Rutishauser, Heinz.
REMARKS ON SMOOTH INTERPOLATION (Bemerkun (Bemerkungen zur Glatten Interpolation). [1961] [15]p. (foreign text included).
Order from SLA $1.60 61-20086

Trans. of Zeitschrift fur Angewandte Mathematik und Physik (Switzerland) 1960, v. 11, no. 6, p. 508-513.

DESCRIPTORS: *Functions, Polynomials, Numerical analysis.

The usual interpolation formulae for equidistant abscissae (Newton-Gregory, Bessel) define a piecewise polynomial approximation function whose first derivative is generally discontinuous at every meshpoint. It is shown how these formulae can be modified (without using higher derivatives of the given function) such that the piecewise polynomial approximation function has s continuous derivatives (where s is a given integer). (Author)

61-20086

I. Rutishauser, H.

(Mathematics, TT, v. 7, no. 1)

Office of Technical Services

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A Simple Generalization of the Rayleigh Boundary Layer, by Ernst Becker, 6 pp.
GERMAN, per, Z fur Angewandte Math und Phy, 19 No 11, 1960, pp 146-153.
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GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

AF 1501263

SCI-ELECTRON, PHYS

SEPT 62 211,926

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THEORETICAL REFLECTIONS ON THE GROWTH OF DROPLETS UNDER EXTREME COOLING CONDITIONS, BY ALBERT GYR.

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MAGNETO-HYDRODYNAMIC CHANNEL FLOW AS INFLUENCED BY WALL CONDUCTANCE, BY CHIEH-CHIEN CHANG, JAMES T. YEN.

GERMAN, PER, ZEIT FUER ANGEWANDTE MATHEMATIK UND PHYSIK, VOL XIII, NO 3, 25 MAY 1962.

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THE STABILITY OF AN INTERFACE BETWEEN MISCIBLE FLUIDS IN A POROUS MEDIUM, BY ROBIN A. WOODING.

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MAGNETO-FLUID DYNAMICS OF THIN BODIES IN OBLIQUE FIELDS (II), BY KEITH STEWARTSON.

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ON A MIXED BOUNDARY VALUE PROBLEM FOR AN INFINITE ELASTIC CONE, BY ROGER D. LOW, HARRY J. WEISS.

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ON THE SOLUTION OF Y' = F(X,Y) BY A CLASS OF HIGH ACCURACY DIFFERENCE FORMULAE OF LOW ORDER, BY JOHN D. LAMBERT, ANDREW R. MITCHELL.

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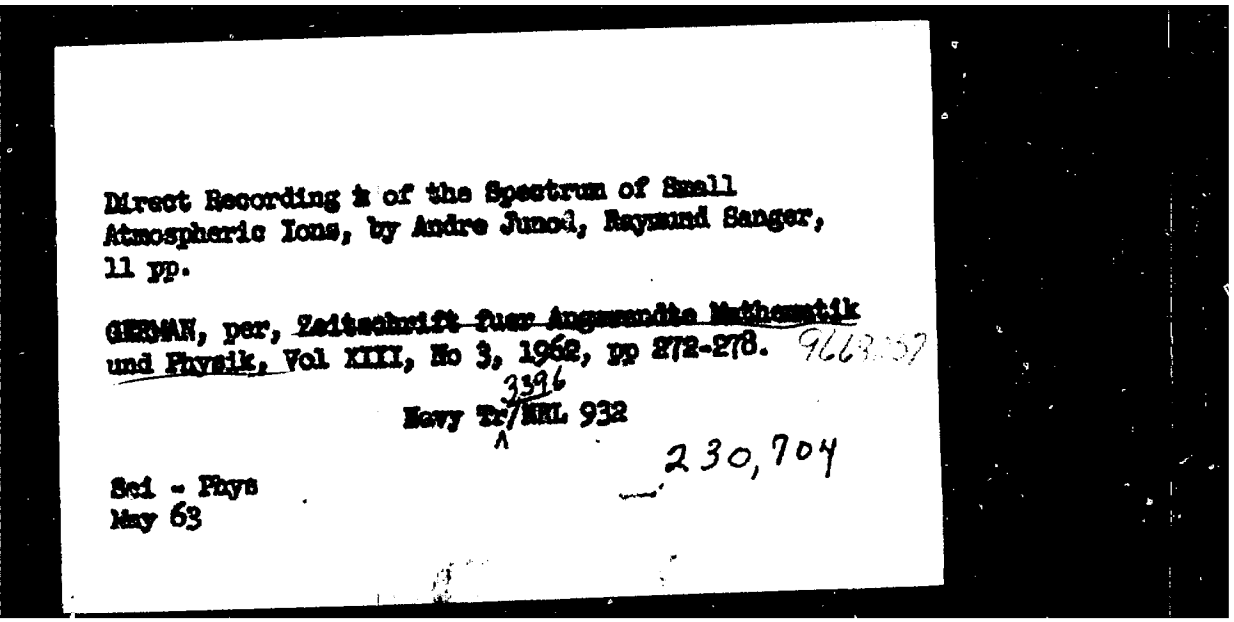

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selected substances in the formation of ice-forming nuclei.
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A Secondary Electron Multiplier with Continuously Distributed Stages, by W. Baumgartner, L. Linder. GERMAN, per, Zeit fur Agew Math und Physik, Vol 13, No 5, 1962, pp 514-517.
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On the Theory of Elastically Plastic Waves
in Thin Rods, by Horst Lippman,
Arno Behrens, 10 pp.
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und Physik, Vol XVII, 1962.
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CRREL 67-T-5 (SPECIAL RUSH) R-8086-D
16 Mar 67

Methoden der Plastizitatstheorie in der Schneemechanik
By: Hans Ziegler
From: Zeit. fuer Augewandte Math. und Physik (Zamp)
Vol 14, 1963:713-137 (25 pp)

German - est for wds:

Please translate and type 1 camera ready copy. Two copies of the article attached. Please cut and paste-up from one copy only and return the other intact.

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NASA TT F-10,278

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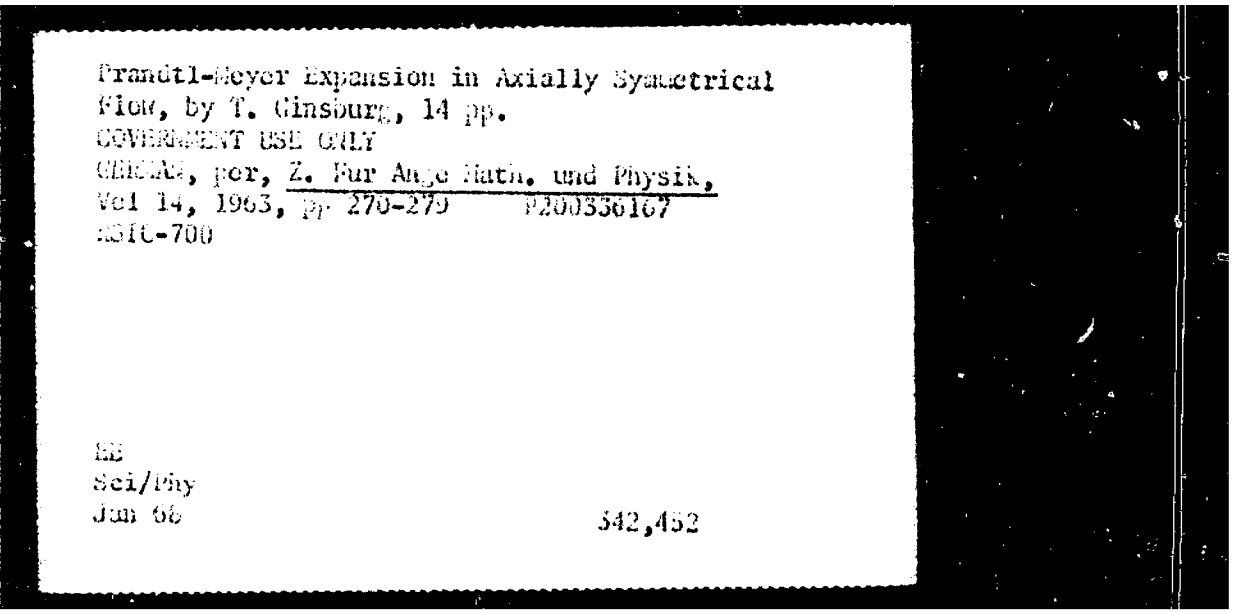

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Wave Propagation in Heterogeneous Porous Solids, by K. H. Muller, 5 pp.
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Gas Lasers

J. Haisma

source: (Schweizerische Kommission fur Licht-und Elektronenoptik, and Universitat Bern, Institut fur angewandte Physik, Internationales Symposium uber die Physik der Laser und deren Angewendungen, Bern, Switzerland, Oct 12-15 Oct 1964.)
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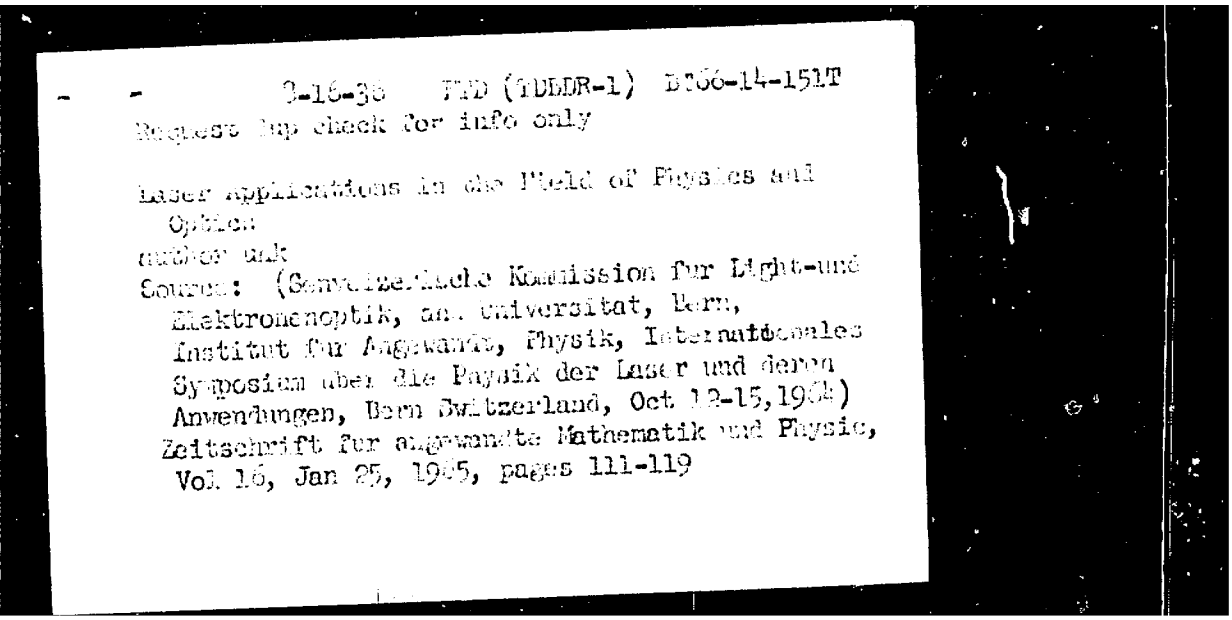

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Laser Applications in the Field of Physics and Optics

author unk

Source: (Schweizerische Kommission fur Light-und Elektronenoptik, an. Universitat, Bern, Institut fur Angewandte, Physik, Internationales Symposium uber die Physik der Laser und deren Anwendungen, Bern Switzerland, Oct 12-15,1964) Zeitschrift fur angewandte Mathematik und Physic, Vol. 16, Jan 25, 1965, pages 111-119

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Meteorology in the Service of Construction, by Bohuslav Hrudicka, 41 pp. (ID 1281980)
UNCLASSIFIED

GERMAN, mo per, Z. fuer Angewandte Meteorolog'e, Vol LIV, No 2, pp 37-42; No 3, 1937, pp 69-76; Vol LV, No 4, pp 110-119; No 9, 1938, pp 289-294; Vol LVI, No 8, 1939, pp 248-255.

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Scientific - Engineering Jun 55 CIS

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The Determination of Total Water in the Analysis of Inorganic Minerals, by M. Hartwig-Bendig, 44 pp.

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SC-T-713048 Uncl.

LUMMER PHENOMENON AT CARBON-ARC ANODE AND ANODE-CRATER TEMPERATURE. Steinle, Heinz Translated for Sandia Labs., Albuquerque, N. Mex., from Z. Angew. Mineral.; 2: 28-64(1939). 53p.

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MELTING EXPERIMENTS ON CARBON. Steinle, Heinz Translated for Sandia Labs., Albuquerque, N. Mex., from Z. Angew. Mineral.; 2: 344-76(1940). 55p.

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NIH 231/19

R-7998-D
17 Feb 67

Uber das Verhaltnis des Kindes zum Tiere
By: Anne Marie Kruger
From: Z Angew Psychol 47:9-64, 1934 (56 pp)

German - est for wds:

Please translate according to instructions attached.

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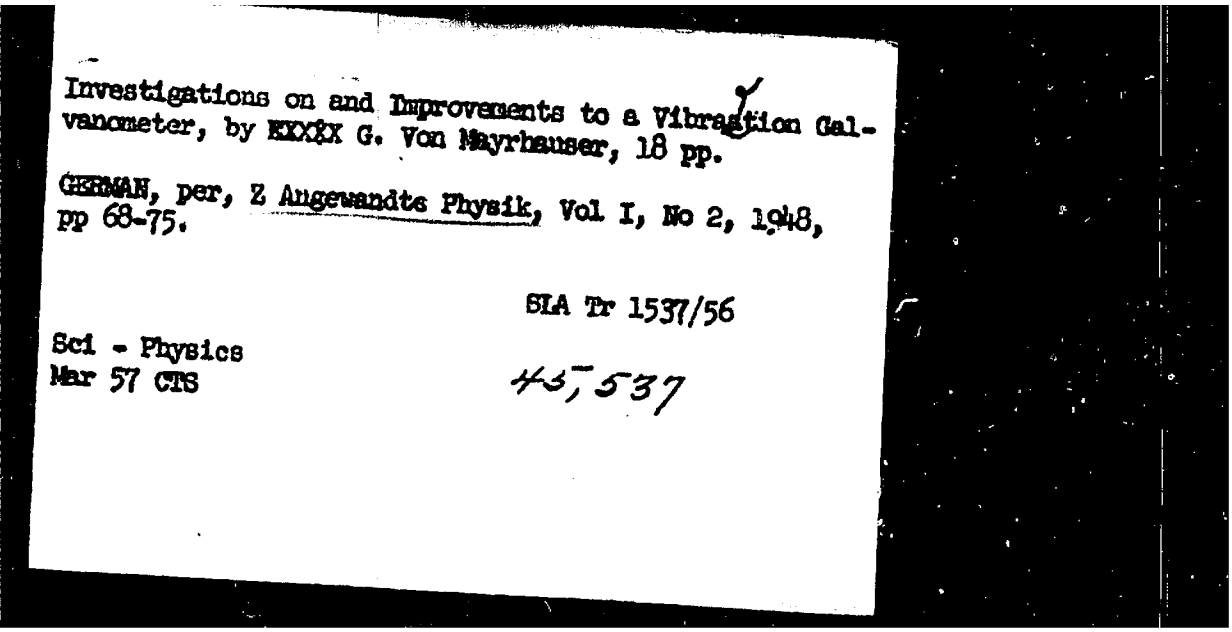

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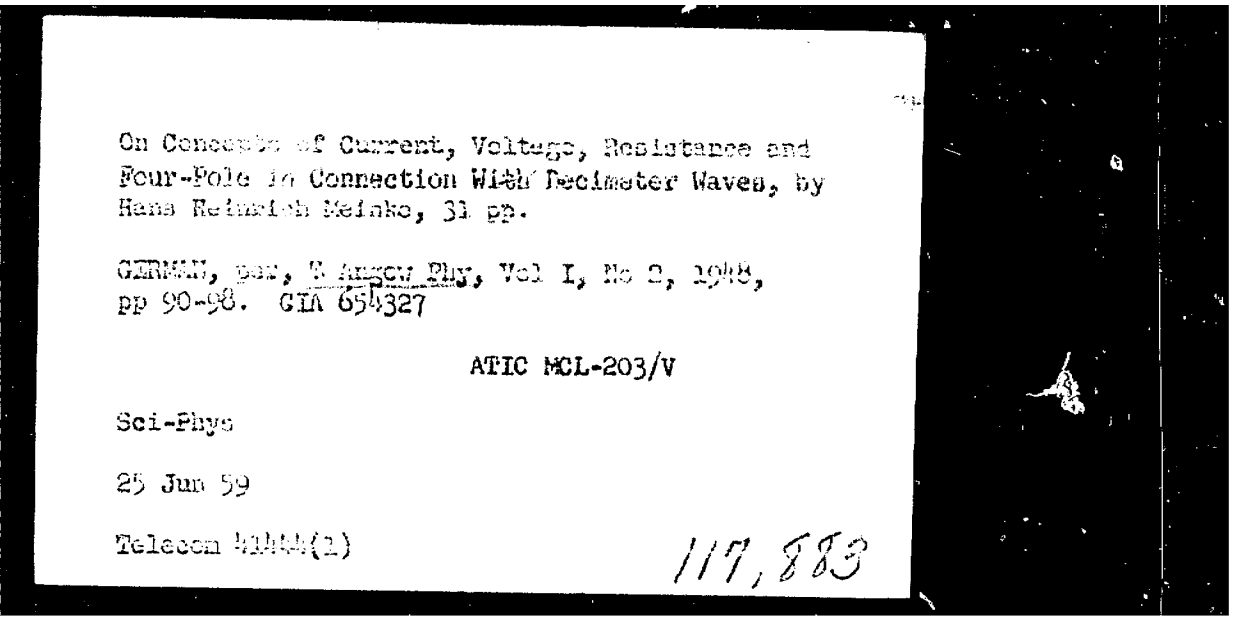

On Concept of Current, Voltage, Resistance and Four-Pole in Connection With Decimeter Waves, by Hans Heinrich Meinke, 31 pp.

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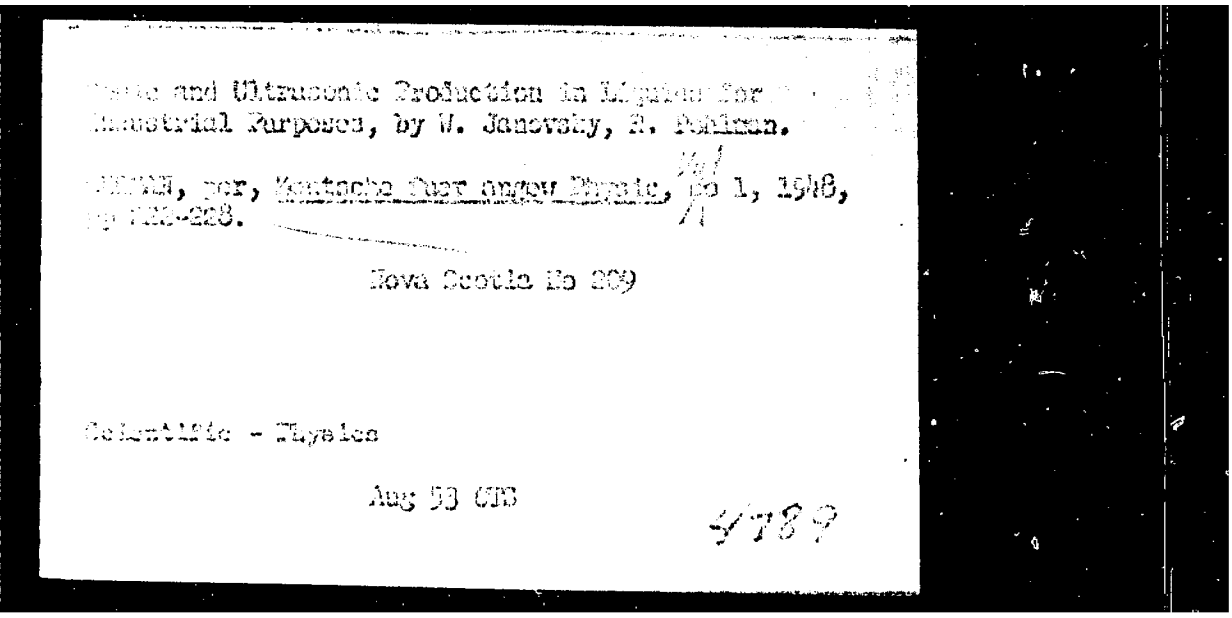

[illegible] and Ultrasonic Production in Liquids for [illegible] Industrial Purposes, by W. Janovsky, R. Pohlman.

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Rubber, Synthetic - Plastics

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Corrugation Formation in Anti-Friction Bearings as a Result of Electrical Corrosion, by Artur Kbhaut, 25 p.

GERMAN, per, Zeit fur Angewandte Physik, 1948, Vol I, No 5, pp 197-211.

SLA 59-20579

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Gast, T[heodor] and Alpers, E[rika].
PONDEROMETRIC DETERMINATION OF DIELECTRIC MAGNITUDES. 30 Dec 50, 5p. (figs. equations refs. omitted).
Order from SLA $1.10 62-16973

Trans. of Zeitschrift fUr Angewandte Physik (West Germany) 1948, v. 1, no. 5, p. 228-232.
Other translations are available from SLA $1.10 ea. as 62-10375 [1961] 4p. and 62-10376 [1961] 5p.

DESCRIPTORS: *Dielectric properties, Determination, Insulating materials, Electric insulation, Laboratory equipment.

(Engineering--Electrical, TT, v. 8, no. 10)

62-16973

I. Gast, T.
II. Alpers, E.

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Gast, Theodor and Alpers, Erika.
PONDEROMETRIC DETERMINATION OF DIELECTRIC PROPERTIES. [1961] 4p. [4 refs. 8 figs. omitted].
Order from SLA $1.10d 62-103'5

Trans. of [Zeitschrift fur Angewandte Physik (West Germany) 1948, v. 1, no. 5, p. 229-231].
Another trans. is available from SLA $1.10 as 62-103'6 [1961] 5p.

DESCRIPTORS: *Dielectric properties, Determination, Insulating materials, Electric insulation, Laboratory equipment.

(Engineering--Electrical, TT, v. 7, no. 9)

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I. Gast, T.
II. Alpers, E.

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Jan 59

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

R-5296-D
Ultrasonics and Elektrostriction, by
H. Falkenhagen.
GERMAN, per, Z fuer Angewandte Physik, No 7,
1947, pp 304-306.

*JPRS/FSTC

Sci
May 65

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

An Accelerometer on the Basis of Magnetostriction,
by Hans Wilde, Erwin Eisele, 33 pp.
GERMAN, per, Z fuer Angewandte Physik, No 1,
1949, pp 359-366. 9228615
AEC-UCRL-Tr-1178(L)

Sci-Phys
Apr 65

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Resistance Measurements on Sodium-Ammonia Solutions at Low Temperatures, by Martin Nabauer, 26 pp.

GERMAN, per, Z Angew Phys, Vol 1 I, 1949, pp 423-428.

AEC Tr-4249

Sci - Phys
Jun 61

155, 963

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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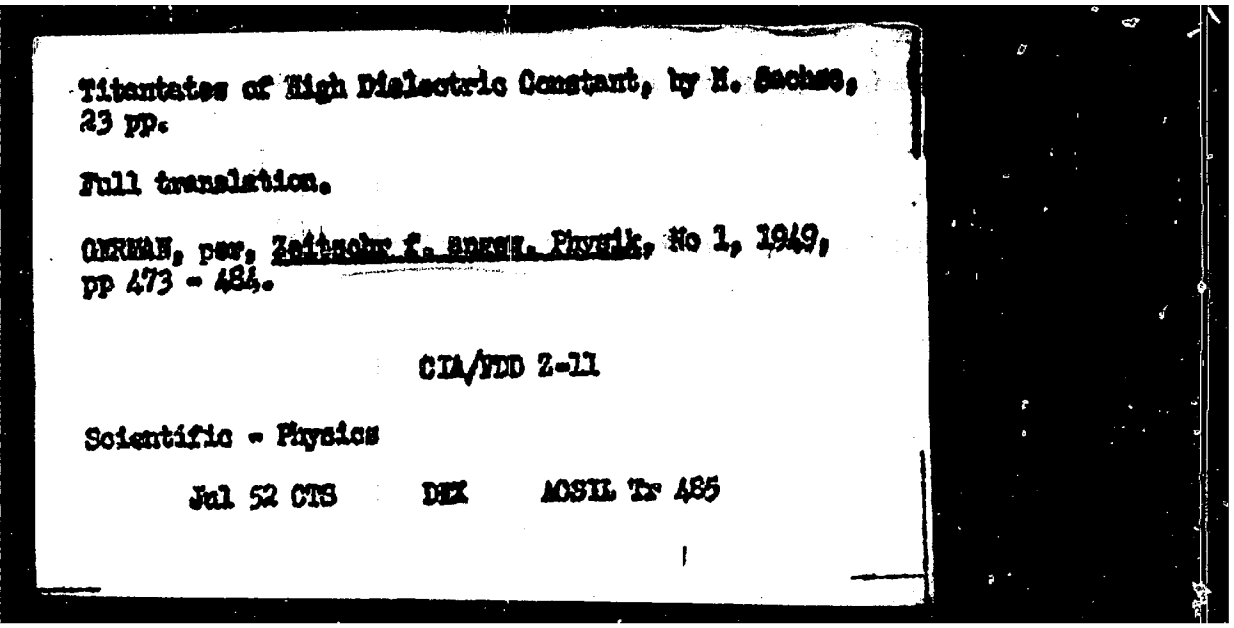

Titanates of High Dielectric Constant, by H. Sachse, 23 pp.

Full translation.

GERMAN, per, Zeitschr f. angew. Physik, No 1, 1949, pp 473 - 484.

CIA/VDD 2-11

Scientific - Physics

Jul 52 CTS DEK AOSIL Tr 485

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Improvements in the Electron-Coupled Mass Spectrography of Polyatomic Molecules, by R M. Ardenne.

GERMAN, per, Z fuer Angewandte Physik, No 4, 1949, pp 121-131.

*ATIC MCL-818/1

Sci - Phsy

31 Jan 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Similarity- and Model- Laws in Stress-Optic Experiments, by E. Moench.

GERMAN, per, Zeitschrift fuer Angewandte Physik, No 7, 1949.

CTIA 18206

Sci - Engr

210, 95-4

19 Sept 62

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Ultrasonics and Electrostriction,
by H. Falkenhagen, 5 pp. FOR OFFICIAL USE ONLY
GERMAN, per, Z fuer Angewandte Physik, No 7,
1949, pp 304-306. 9697507
FSTC 381-T64-253

Sci - Elec
Aug 65 287,8233

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Flash X-Ray Tubes and Their Use, by
W. Schaaffs.

GERMAN, per, Z. fuer Angewandte Physik,
Vol I, No 10, 1949, pp 462-473.

CSIRO

Sci - Phys

Mar 62

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

A General Solution Method for Inhomogeneous Cylindrically-Symmetrical Wave Fields, by Hans Heinrich Meinke, 25 pp. UNCLASSIFIED

GERMAN, per Z fuer Angew Phys, Vol I, No 11, 1949, pp 509-516. CIA 642663

ATIC P-TR-9511/V

Sci - Phys

Jan 59

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

The Dependence of the Structure of a (Metallic) Film on the Number of Nuclei, by E. Traub, 5 pp.
UNCLASSIFIED

Full translation.

GERMAN, per, Zeitschr fuer Angew Physik, Vol I, No 12, USSR, 1949, pp 545-549.

Navy Tr 667/NRL 404

Scientific - Physics, Nuclei, film

Sep 52 CTS/DSX

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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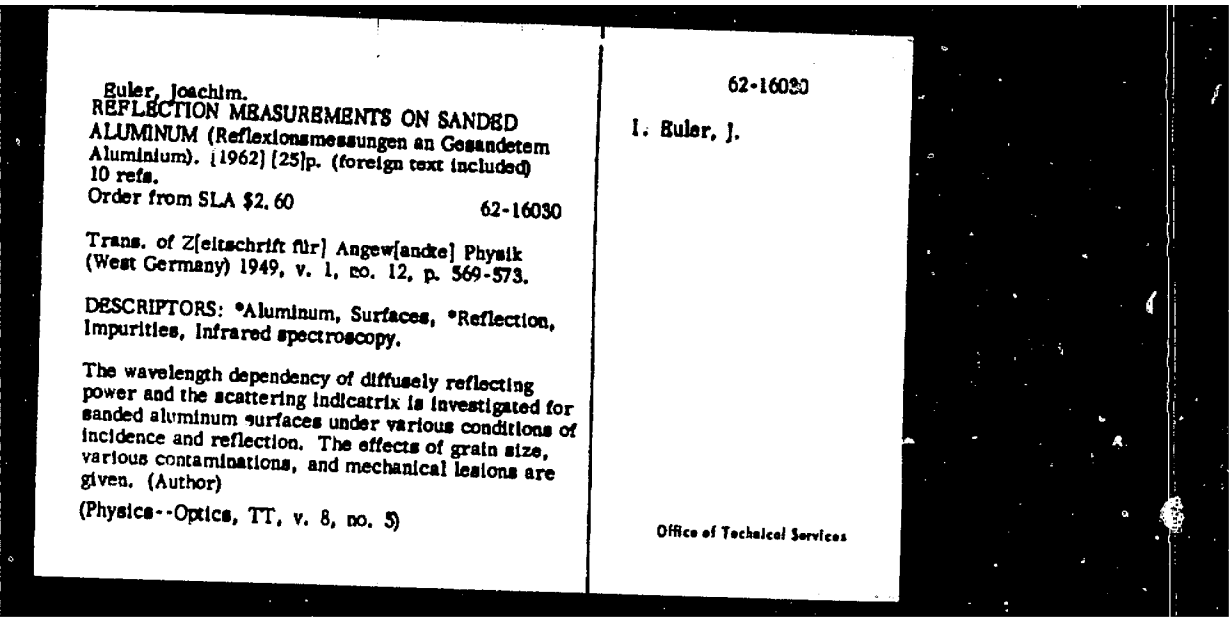

Euler, Joachim.
REFLECTION MEASUREMENTS ON SANDED ALUMINUM (Reflexionsmessungen an Gesandetem Aluminium). [1962] [25]p. (foreign text included) 10 refs.
Order from SLA $2.60 62-16030

Trans. of Z[eitschrift für] Angew[andte] Physik (West Germany) 1949, v. 1, no. 12, p. 569-573.

DESCRIPTORS: *Aluminum, Surfaces, *Reflection, Impurities, Infrared spectroscopy.

The wavelength dependency of diffusely reflecting power and the scattering indicatrix is investigated for sanded aluminum surfaces under various conditions of incidence and reflection. The effects of grain size, various contaminations, and mechanical lesions are given. (Author)

(Physics--Optics, TT, v. 8, no. 5)

62-16030

1. Euler, J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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An Apparatus, Operating on Magnetic Principlesm, for Measuring Oxygen in Gas Mixtures, by S. Lehrer and E. Eobinghaus, 19 pp.

GERMAN, per. Z. Angew Phys, Vol II, No 1, 1950, pp 20-24.

SLA 3314

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Aug 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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The Method of Working of X-Ray Flash Tubes, by E. Funfer.

GERMAN, per, Zeit Angew Phys, Vol II, No 1, 1950, pp 23-33.

T.I.L. T. 4561

Sci - Physics

35,721

Jun 1956

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Gast, Th.
TRENDS IN THE DEVELOPMENT OF BRIDGE INSTRUMENTS FOR DIELECTRIC MEASUREMENTS. [1962] 12p. (refs. figs. omitted).
Order from SLA $1.60 62-16974

Trans. of Z[ei]s[chrift] fûr Angew[andte] Physik (West Germany) 1950, v. 2, no. 1, p. 41-48.

DESCRIPTORS: Alternating current, *Electric bridges, Capacitance bridges, Design, Dielectrics, *Dielectric properties, Measurement, Recording devices.

(Engineering--Electrical, TT, v. 8, no. 10)

62-16974

I. Gast, T.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

Plasma and the Langmuir Sheath on the Theory of Electrical Probes in Gas Discharges, by F. Wenzl.

GERMAN, per, Z Angew Phys, Vol II, No 2, 1950, pp 59-75.

A.E.R.E., Harwell
462 ~~NK~~ OT/1288

Scientific - Physics
CIS 75/Dec 55

29,329

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Fine Structure Ultrashort Exposures With the X-Ray Flash Tube, by R. Schall.

GERMAN, per, Z. fuer Angewandte Physik, Vol II, No 2, 1950, pp 83-88.

CSIRO

Sci - Phys

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Mar 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

The Optical Temperature Scale and the Radiation Constants, by F Fr. Hoffmann, 25 pp.

GERMAN, per, Z fur Angewandte Physik, Vol II, No 2, 1950, pp 88-95.

SLA 59-16793

Sci

OTS, Vol III, No 7

Nov 60

133,033

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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The Optical Determination of the True Temperature of Luminescent Flames, by F. Rossler

GERMAN, per, Zeit Angew Phys, Vol II, No 4, Apr 1950, pp 161-166.

TPA3/TIB T 4144

Scientific - Physics
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On the Problem of Non-Distorting Amplification of D-C Impulses in an A-C Amplifier, by R. Gauger, 41 pp.

GERMAN, per, Z. Angew Phys, Vol II, No 4, 1950, pp 179-188.

SIA 57-3020

Sci

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Aug 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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An Electron Diffraction Study of AlAg and Al Mg Compounds, by A. Boettcher.
GERMAN, per, Zeit Angew Phys, Vol 2, 1950, pp 193-203.
*Nat Bur Stand TT 70-57798

Sci-Chem
Jul 70

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Gas Analysis by Electrostriction, by H. Senftleben, H. Gladisch,

GERMAN, per, Z Angew Physik, Vol II, No 5, 1950, pp 204, 205.

ATS 277-GJ

Sci - Chem
Nov 59

100,383

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Contribution to the Theory and Practice of the Field Strength Difference Measuring Apparatus Magnetic Fields After Forster, by Max Wurn, 28 pp.

GERMAN, per, Zeit Angew Physik, Vol II, 1950, pp 210-219.

AEC Tr 2433

Sci - Physics, Engineering 34,504

May 1956

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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The Oxidation of AlMg and AlAg Alloys in Vacuum,
by A. Boettcher.
GERMAN, per, Zeit Angew Phys, Vol 2, 1950,
pp 249-251.
*Nat Bur Stand TT 70-57799

Sci-Chem
Jul 70

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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The State Equation of Water at High Pressures from X-ray Flash Photographs of High Intensity Shock Waves, by R. Schall, UNCLASSIFIED

GERMAN, per, Z. Angew. Phys., Vol II, No 6, 1950, pp 252-254.

TPA3/TIB T 4204

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Scientific - Physics

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

A Mass Spectrophotometer for the Determination of Isotope Abundance Ratios, by R. W. Becker, E. Dornenburg, and W. Walcher

Full Translation

GERMAN, per, Z Agnew Physik, Vol II, 1950, pp 261-267.

AEC Tr 1133
AEC Tr 1205
Feb 52 CTS

Scientific - Physics

12,725

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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A Simple Approximation Formula for Determining the Resonant Frequency of the Cavity Magnetron, by F. Borgnis.
GERMAN, per, Zeitschrift fur angewandte Physik, Vol 11, No 7, 1950, pp 278-280.
Dept of Navy/APL/JHU T-2120

Sci/Phys
Apr 68

351,249

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R-5296-D

Production of Ultrasound by Means of Electrostriction, by H. Rust.
GERMAN, per, Z fuer Angewandte Physik, No 7, 1950, pp 293-294.

*JPRS/FSTC

Sci
May 65

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The Behavior of Electromagnetic Waves in Greatly Inhomogeneous Line Construction, by H. Meinke, 20 pp. UNCLASSIFIED

GERMAN, per, Zeitschrift fuer Angewandte Physik, Vol II, No 12, Dec 1950, pp 473-478.

ATIC F-TS-9510/V

Sci - Phys

Aug 58

70, 2 31

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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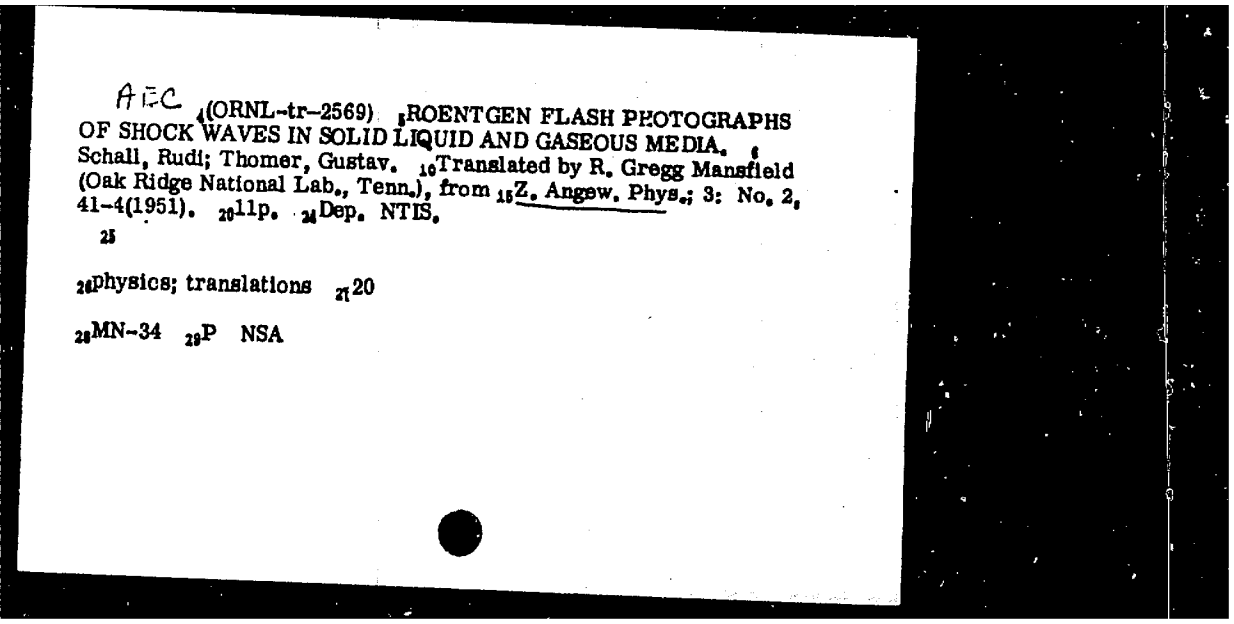

AEC

(ORNL-tr-2569) ROENTGEN FLASH PHOTOGRAPHS OF SHOCK WAVES IN SOLID LIQUID AND GASEOUS MEDIA. Schall, Rudi; Thomer, Gustav. Translated by R. Gregg Mansfield (Oak Ridge National Lab., Tenn.), from Z. Angew. Phys.; 3: No. 2, 41-4(1951). 11p. Dep. NTIS.

physics; translations 20

MN-34 P NSA

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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The Light-Splitting Functions of Thin Multiple-Layers and Their Applications, by H. Schröder, 29 pp.

GERMAN, per, Zeit für Angewandte Physik, Vol III, No 2, 1951, pp 53-66. CIA 9003312

A.C.S.I.L. Tr No 710

45, 275

Sci - Physics
Mar 1957 CTS/dex

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

Studies on Variation of Height of the F2 Layer of the Ionosphere, by R. Eyfrig, 20 pp. UNCLASSIFIED

GERMAN, per, Zeitschrift fur Angewandte Physik, Vol III, 1951, pp 96-103.

Def Sci Info Sv
DRB Canada T39G

Geo-
Scientific - Physics

15,217

CIA 2521199

Jun 54 CTS

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

Bierl, Richard.
ABOUT THE TRUE FREQUENCY-RESPONSE IN RECORDING AND REPRODUCTION OF SOUND IN MAGNETIC TAPE RECORDING. [1962] 16p. 6 refs.
Order from SLA $1.60 62-18694

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1951, v. 3, no. 5, p. 161-165.

DESCRIPTORS: Frequency, Sound, *Magnetic recording systems, Integrators, Measurement, Integral equations, *Magnetic tape, *Sound reproduction systems.

From the consideration of the distribution of magnetic reluctances in record and reproduce heads follow an inverse logarithmic, hyperbolic respectively, flux-distributions. The -drop of the record head gap function is compensated by a -proportional frequency (Engineering--Electronic, TT, v. 9, no. 10)

62-18694

1. Bierl, R.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Pitot Tube, Cylinder and Two-Finger Probe as Dynamic Pressure Measuring Instruments, by H. St. Stefaniak, 14 pp.

GERMAN, per, Journal of Applied Physics, Vol III, No 5, 1951, pp 181-185.

ATIC-41351-3
F-TS-7832

1253

Scientific - Physics

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Trajectories of Beam-Riding Rockets With Gas Jet Control, by R. Sanger, E. Roth, 22 pp. UNCLASSIFIED

Full translation.

FRENCH, BERMAN, ENGLISH, mo per, Zeitschrift Fuer Angewendte und Physik, Vol III, No 4, Switzerland Jul 1952, pp 241-258.

ATIC F-TS-7950

Scientific - Physics, beam riding rockets ?

CIA 1023448 Feb 53 CTS

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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About the True Frequency-Response in Recording and Reproduction of Sound in Magnetic Tape Recording, by Richard Bierl, 16 pp.

GERMANY Zeitschrift fur Angew Physik, Vol III, No 5, 1951.

CIA/FDD X-4979

Sci - Electron

207,520

Aug 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Bending of Electromagnetic Waves on a Dielectric Cylinder as a Method for the Thickness Determination of Quartz Filaments, by Ernst Eberhardt, 15 pp. GERMAN, pub, Z fur Angew Physik, Vol III, No 7, 1951, pp 242-246. 92-9091
AEC-GENL-Tr-571

AEC-L-2986

Sci-Tech Phys
Jul 65

284,44

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

Non-Steady Laminar Flow of an Incompressible Viscous Fluid in Circular Cylindrical Pipes, by Werner Gerbes, 16 pp.

GERMAN, per, Z. fuer Angewandte Physik, Vol III, No 7, 1951, pp 267-271. 9684983

Emmanuel Coll Res Lang Ctr
E-T-0-63-16

ECT TT-63-21382(X)
342,100

Sci - Phys
Aug 63

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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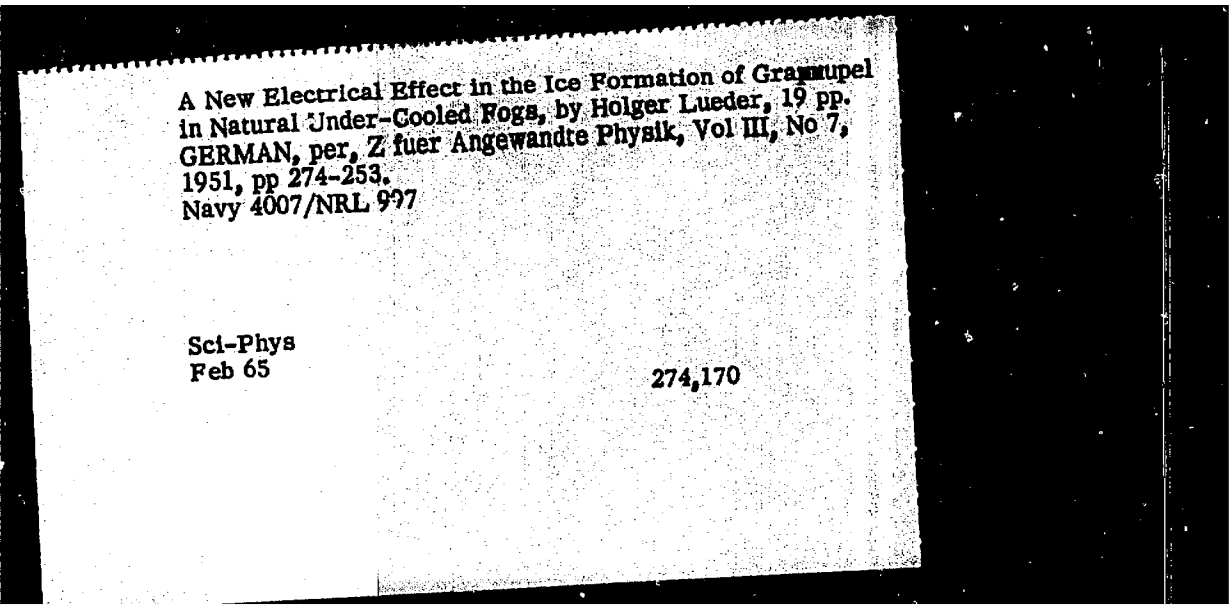


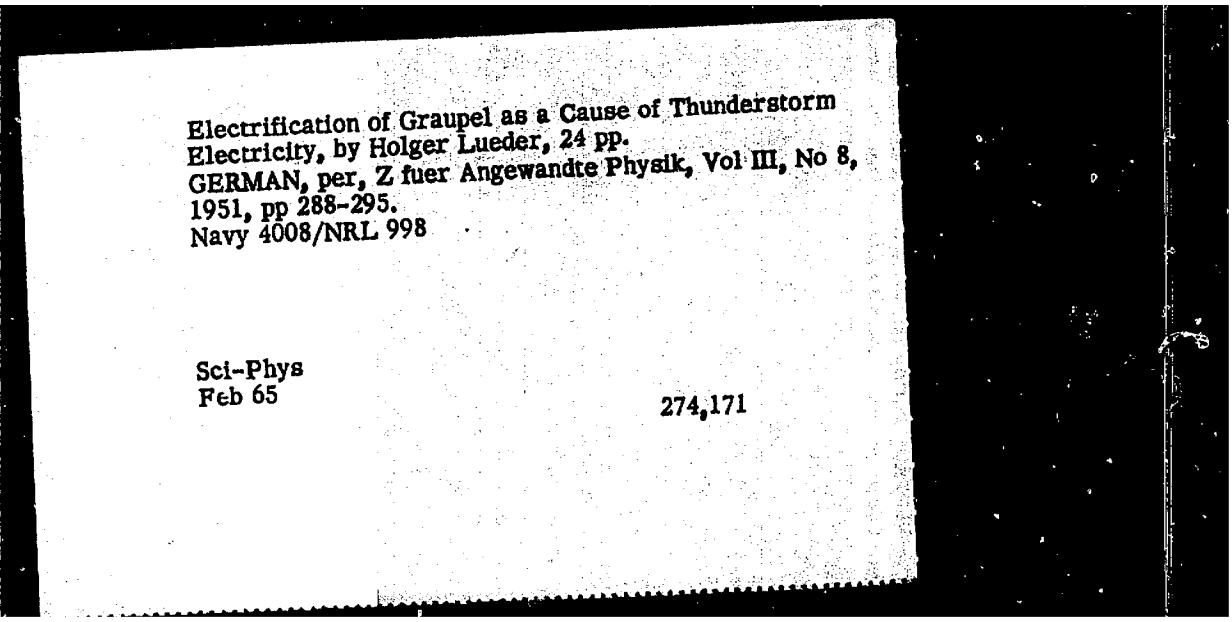
A New Electrical Effect in the Ice Formation of Graupel in Natural Under-Cooled Fogs, by Holger Lueder, 19 pp. GERMAN, per, Z fuer Angewandte Physik, Vol III, No 7, 1951, pp 274-253.
Navy 4007/NRL 997

Sci-Phys
Feb 65

274,170

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2



Electrification of Graupel as a Cause of Thunderstorm Electricity, by Holger Lueder, 24 pp.
GERMAN, per, Z fuer Angewandte Physik, Vol III, No 8, 1951, pp 288-295.
Navy 4008/NRL 998

Sci-Phys
Feb 65

274,171

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

A New Method For the Magnetic Analysis of Oxygen,
by Karl F. Luft, 8 pp,

GERMAN, per, Z Angew Phys, Vol III, 1951, pp 300-303.

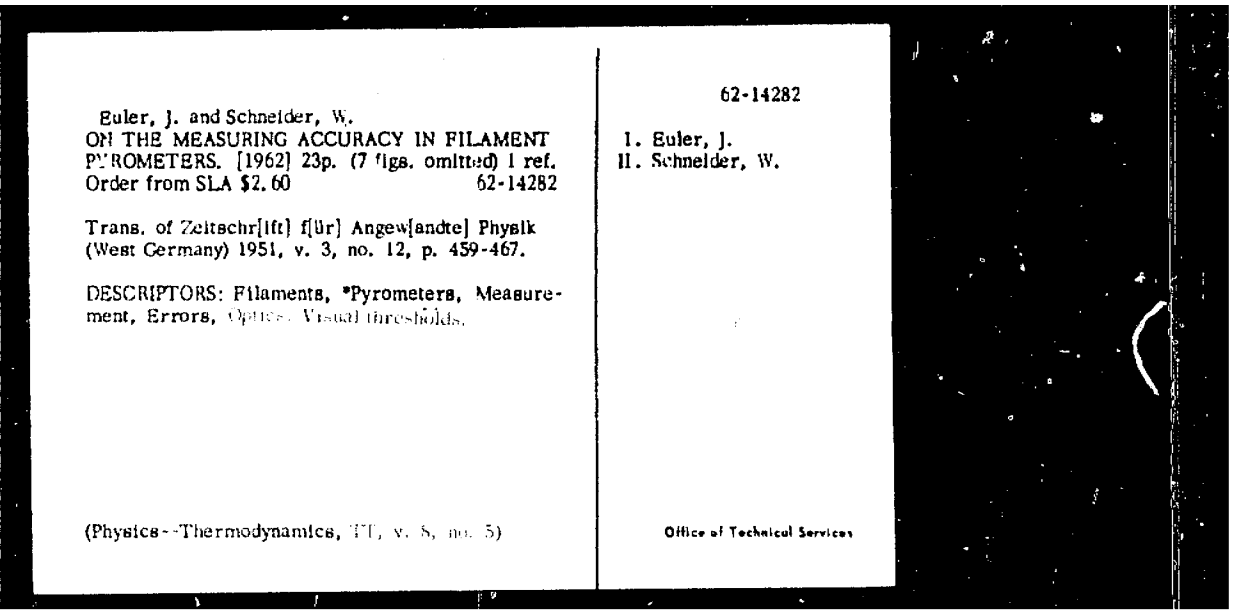
AEC Tr 1749
SLA 3313

Scientific - Chemistry Jan 54 CTS/DEX

9191

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2



Euler, J. and Schneider, W.
ON THE MEASURING ACCURACY IN FILAMENT PYROMETERS. [1962] 23p. (7 figs. omitted) 1 ref.
Order from SLA $2.60 62-14282

Trans. of Zeitschr[ift] f[ür] Angew[andte] Physik (West Germany) 1951, v. 3, no. 12, p. 459-467.

DESCRIPTORS: Filaments, *Pyrometers, Measurement, Errors, Optics, Visual thresholds.

(Physics--Thermodynamics, TT, v. 8, no. 5)

62-14282

I. Euler, J.
II. Schneider, W.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Elementary Theory of Electron Beam Production in Triode Systems. Pt. 2, Current Strength and Structure of the Electron Beam, by, M. Ploke.
GERMAN, per, Zeitschrift fuer Angewandte Physik, vol 4, 1952, pp 1-12.
ATS-669890

331, 534

Sci - Electron
Jul 67

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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On the Inertia of the Forward Conductance of Germanium Diodes, by Th. Einsele, 4 pp.

GERMAN
[redacted], per, Zeits angew Physik, Vol IV, No 5, 1952, pp 183-185.

CIA/FDD/Z-72

Scientific - Physics
CTS/DEX

7075

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Principles of Spark Cinematography, by H. Schardin, E. Funfer

GERMAN, per, Z Angew Phys, Vol IV, No 5/6, 1952, pp 185-199, 224-238.

TPA3/TIB T 4113

8893

Scientific - Physics
CTS/DEX

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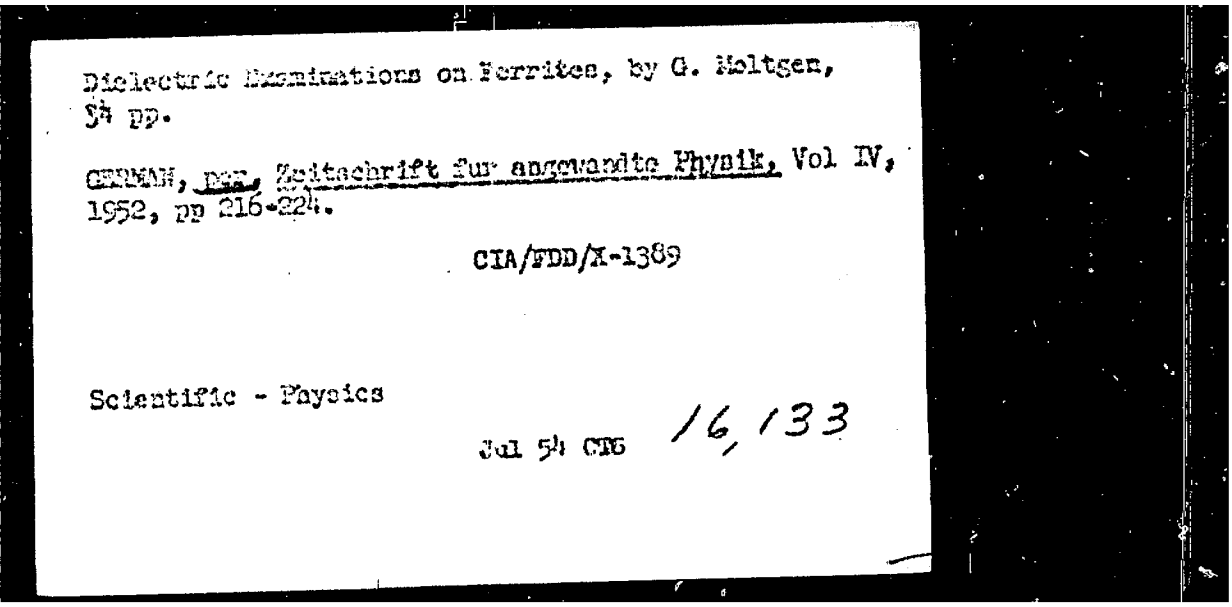

Dielectric Examinations on Ferrites, by G. Holtgen, 5½ pp.

GERMAN, Per, Zeitschrift fur angewandte Physik, Vol IV, 1952, pp 216-224.

CIA/FDD/X-1389

Scientific - Physics

Jul 54 CIG 16,133

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000100330003-2

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Investigations and Experiment on a Dynamic Secondary Electron Multiplier, by Heinz Beneking, 29 pp.

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Order from SLA $1.60 62-18964

Trans. of Z[eitschrift für] Angew[andte] Physik (West Germany) 1952, v. 4, p. 455-458.
Another trans. is available from SLA $1.60 as 62-14429 [1962] [11]p.

DESCRIPTORS: Steel, *Cutting tools, *Acetylenes, *Oxygen, Combustion, Flames, Temperature, Numerical analysis.

For abstract see Technical Translations 8: 702, 1962.

(Metallurgy, TT, v. 9, no. 8)

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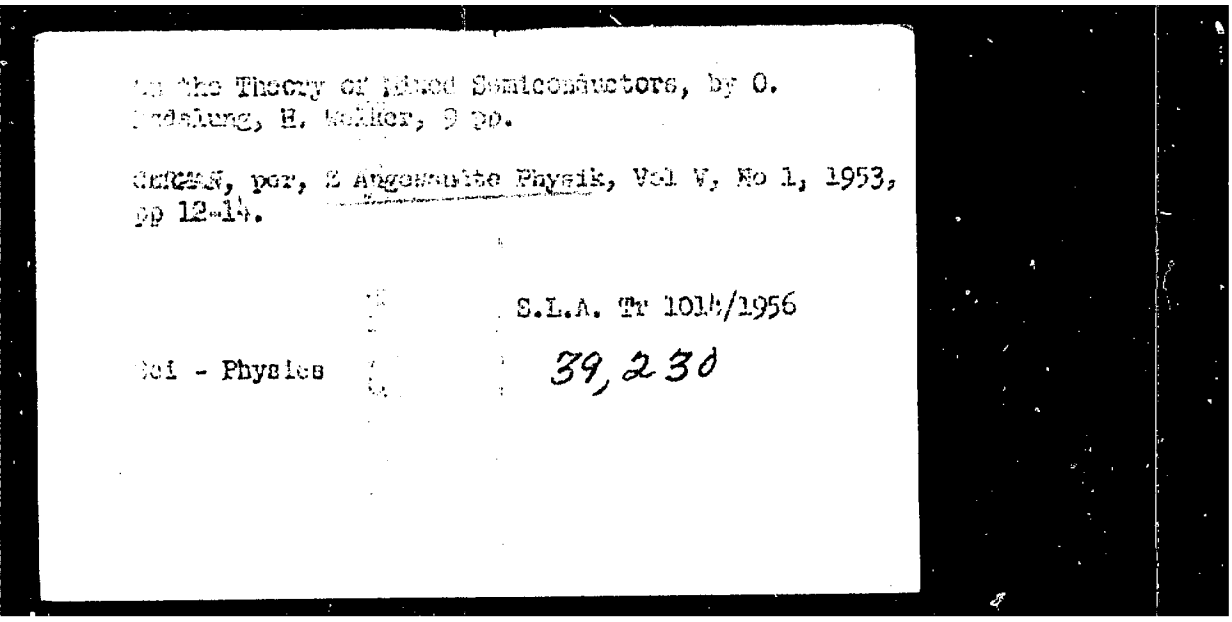

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S.L.A. Tr 1014/1956

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The Multiple Spark Camera and its Use in Technical Physics, by H. Schardin UNCLASSIFIED

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C.D.E.E. 126 OT/766
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S.L.A. Tr 23/1956

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GERMAN, per, Z. Angew. Phys, Vol V, No 5, 1953, pp 161-163.

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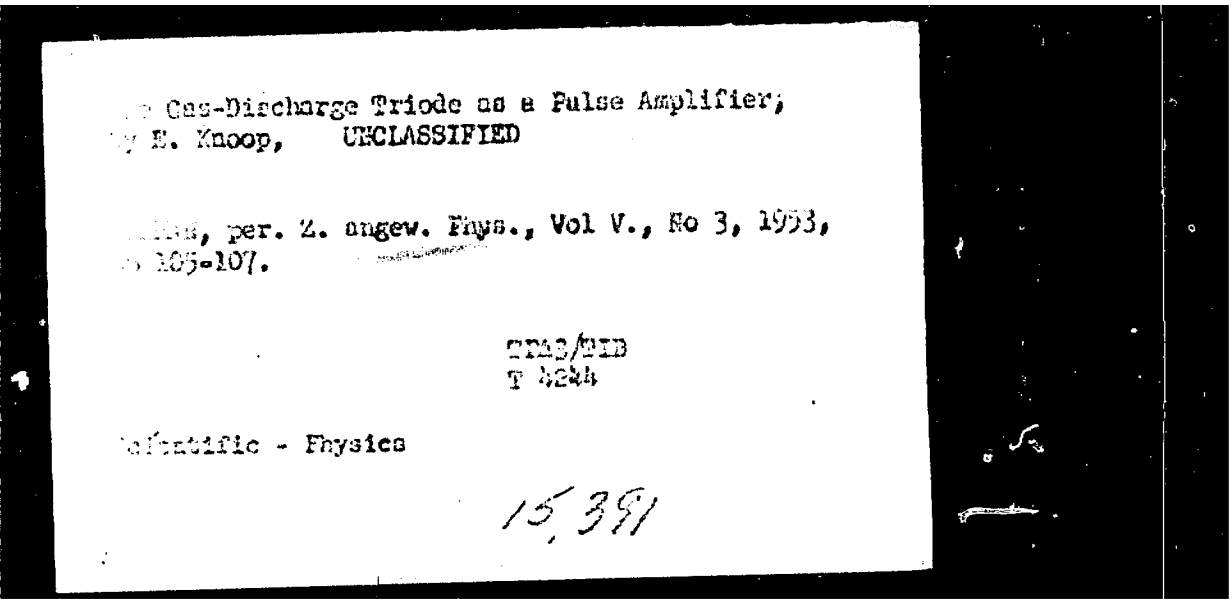

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Wortmann, F. X.
A METHOD OF OBSERVING AND MEASURING FLOWS OF WATER WITH TELLURIUM (Eine Methode zur Beobachtung und Messung von Wasserströmungen mit Tellur) tr. by D. A. Sinclair. 1962, 17p. 6 refs. NRCC Technical trans. 1049.
Order from NRCC $1.00 NRCC C-4286

Trans. of Zeitschrift für Angewandte Physik (West Germany) 1953, v. 5, no. 6, p. 201-206.

DESCRIPTORS: *Fluid flow, Water, Measurement, Visibility, Test methods, *Tellurium, Wire, *Photography.

(Mechanics--Hydrodynamics, TT, v. 9, no. 8)

63-12796

I. Wortmann, F. X.
II. NRCC TT-1049
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